

**Home learning activities****Years 7, 8 & 9**

Subject
Geography
Year Group
10
Unit of work / Knowledge organiser
A recap of the following four topics: Living World: Tropical Rainforests and Hot Deserts, Urban Issues: Urban World and Urban UK
Activities
Please complete the tasks on the Home Learning Activities Sheet attached. Complete in full sentences and to the best of your ability. Each answer should be written in as much detail as possible. Use diagrams to help if you wish on some of the task
Where do you complete the work?
Complete the work in Study Books / On lined paper – label it in your books as Geography: Task 1 (etc...)
What to do if you finish the work? (Extension activity)
An extension task is provided on the task sheet looking at the spread of coronavirus Use GCSEpod and BBC bitesize to continue with revision (this will help with your Year 11 exams!!)
These websites might help:
BBC Bitesize GCSEpod

## Year 10: Home Learning Activities

Complete ALL tasks on the Knowledge Organiser below:

**Task 1: DESCRIBE how plants are adapted to survive in the hot desert. Use the information below to start you off.**

- Some plants have long roots (7-10 metres) to reach the groundwater
- Small leaves and spikes reduce water loss

**Task 3: Use the information below to EXPLAIN how the Thar Desert can provide opportunities to the people living there.**

### **Mineral extraction**

- The desert region has valuable reserves of minerals, which are used all over India and exported across the world.

### **Tourism**

- Each year tens of thousands visit the desert to see the beautiful landscapes through desert safaris on camels

### **Energy**

- There has been a recent focus on developing wind power, a renewable form of energy. The Jaisalmer Wind Park was constructed in 2001 and is India's largest wind farm.

### **Farming**

- Commercial farming has been made possible by irrigation. This now means that wheat and cotton can grow in an area that used to be scrubby desert.

**Task 2: DISCUSS the best way to reduce desertification based on the information below and your own knowledge**

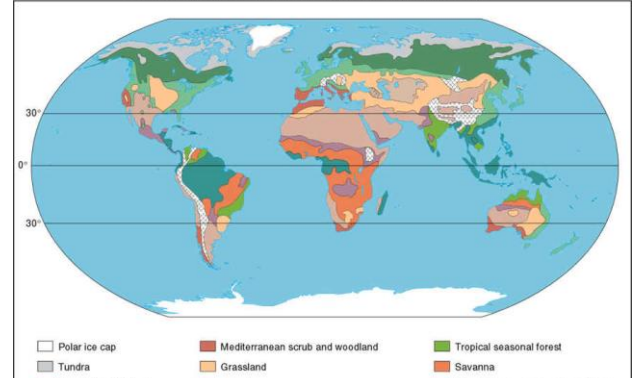
### **National Parks**

- In some parts of the world, hot desert areas at risk of desertification have been protected by making them into national parks. The Desert National Park in the Thar Desert, India was created in 1992 to reduce the risk of desertification

### **Tree Planting**

- Tree planting is an important way of reducing erosion. Tree roots bind the soil together and the leaves and branches provide shade and fuelwood. The most important tree is the *Prosopis cineraria*, which provides strong wood for building material, shade for plants and seed pods for animals to eat.

**Task 4: Use the map below to DESCRIBE the distribution of global ecosystems worldwide**



**Task 5: EVALUATE the impacts of deforestation in Malaysia – which is the worst? Why?**

Soil Erosion – without tree roots binding the soil together wind and rain easily erodes the soil.  
Loss of Biodiversity – Destroying the ecosystem and the many habitats that exist on the ground and in the trees.

Climate Change – During photosynthesis, trees absorb CO<sub>2</sub> and emit oxygen. By absorbing CO<sub>2</sub> trees store the carbon and reduce the rate of global warming. Deforestation reduces moisture in the air resulting in a drier climate.

Economic Development – Deforestation is mainly driven by profit. However deforestation may result in short-term gains it may also lead to long term losses

**Task 6: Use your own knowledge and the information below to DISCUSS how some of Rio's challenges can and have been solved**

**Health care:** in 2013, only 55% of the city had a local family health clinic. Services for pregnant women and the elderly were poor.

**Education:** education is compulsory for children 6-14, but only half continue beyond 14 and many get involved with drug trafficking.

**Water supply:** around 12% of Rio's population do not have access to running water. It is estimated that 37% is lost through leaky pipes, fraud and illegal access.

**Energy:** the whole city suffers with frequent blackouts due to electricity shortage.

**Task 7: Use the information below to DISCUSS the regeneration that Birmingham is currently undergoing**

In the last 20 years, Birmingham has been transformed by a number of regeneration projects:

- Westside – mixed use office and commercial space, new library of Birmingham and 4\* hotel with 250 bedrooms.
- Snow Hill – office space, improved public spaces, 4000 new jobs, 10 000 jobs.
- Eastside – HS2 station will be built, new business space, BCU, 2000 new homes, 30 000 jobs.
- Southern Gateway - £1 billion mixed land use – retail, new homes, city centre park, leisure and recreation facilities.
- New Street Station – world class station, new John Lewis, improving links with surrounding areas, improving physical environment, new business areas.

**Extension Task: Find a map of the worldwide spread of coronavirus. Describe the spread of this virus and then suggest reasons as to why the virus has spread so fast and so far.**